Attorney Docket No.: 17243/003001

Certificate of Express Mailing Under 37 CFR 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Airbill No. EV17243/003001 in an envelope addressed to: 804196914

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

on	August 16, 2006	•
	Date	
		/
	Dalana	Dearne
	7000	Signature
	<u>_</u> _Sa	lena L. Hearne
	Typed or printed na	me of person signing Certificate
		(713) 228-8600
Re	egistration Number, if applicable	Telephone Number

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Request for Corrected Filing Receipt (2 pages) with attachments (4 pages)

Return Receipt Postcard

8-17-06

Docket No.: 17243/003001

(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Melwyn Abreo et al.

Application No.: 10/566,193

Filed: January 30, 2006

For: PYRIDYL DERIVATIVES AND THEIR USE

AS THERAPEUTIC AGENTS

Art Unit: 1615

Confirmation No.: 5685

Examiner: Not Yet Assigned

REQUEST FOR CORRECTED FILING RECEIPT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Applicant hereby requests that a corrected Filing Receipt be issued in the aboveidentified patent application. The official Filing Receipt received by Applicant, a copy of which is attached hereto, has a typographical error in the third Applicant's name. respectfully requests the third Applicant's name be corrected from "Heins W. Gschwend" to --Heinz W. Gschwend-- as shown in the enclosed copy of:

- 1) the second page of the application data sheet which shows the correct spelling of the third Applicant's name;
- 2) the first page of the international publication which shows the correct spelling of the third applicant's name; and
- 3) the pertinent page of the declaration which shows the correct spelling of the third applicant's name.

Application No.: 10/566,193 Docket No.: 17243/003001

Applicant additionally requests that all pertinent U.S. Patent and Trademark

Office records relating to the subject application be changed to reflect this correction.

Applicant believes no fee is due with this request. However, if a fee is due, please charge our Deposit Account No. 50-0591, under Order No. 17243/003001 from which the undersigned is authorized to draw.

Dated: August 16, 2006

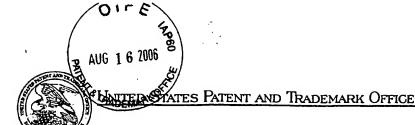
Respectfully submitted,

By______T. Chyau Liang, Ph.D.

Registration No.: 48,885 OSHA · LIANG LLP 1221 McKinney St., Suite 2800 Houston, Texas 77010 (713) 228-8600

(713) 228-8778 (Fax)

167663



RECEIVEDPage 1 of 3

JUN 0 6 2006

OSHA · LIANG LLP

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Viginia 22313-1450
www.uspto.gov

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY.DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/566,193	01/30/2006	1615	4100	17243/003001		70	8

CONFIRMATION NO. 5685

22511			
OSHA LIANG L.L.P.			
1221 MCKINNEY STREE		cketed Acti	
SUITE 2800	New 🔲	Previously [Non Required ろわり
HOUSTON, TX 77010	Docket Number: 1	1245100.	300/
	Attorney Initials:	TCh	1TCh
	Docketing Initials: _		ME

FILING RECEIPT *OC000000019012991*

Date Mailed: 06/01/2006

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

2

Melwyn Abreo, Jamul, CA; Daniel F. Harvey, San Diego, CA: Heins W. Gschwend, Santa Rosa, CA; Wenbao Li, San Diego, CA; Chi Tu, San Diego, CA; Rajender Kamboj, Burnaby, CANADA; Michael D. Winther, Vancouver, CANADA; Vishnumurthy Kodumuru, Burnaby, CANADA; Cindy J. Hudson, Buena Park, CA; Mikhail A. Kondratenko, San Diego, CA: Shifeng Liu, Port Coguitlam, CANADA; Vandna Raina, Vancouver, CANADA; Serguei Sviridov, Burnaby, CANADA; Zaihui Zhang, Vancouver, CANADA; Mehran Seid Bagherzadeh, North Vancouver, CANADA; Shaoyi Sun, Vancouver, CA;

Power of Attorney: The patent practitioners associated with Customer Number 22511.

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/US04/24657 07/29/2004

Foreign Applications

UNITED STATES OF AMERICA 60491116 07/30/2003 UNITED STATES OF AMERICA 60491118 07/30/2003 UNITED STATES OF AMERICA 60491340 07/30/2003 If Required, Foreign Filing License Granted: 05/30/2006

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is US10/566,193

Projected Publication Date: 09/07/2006

Non-Publication Request: No

Early Publication Request: No

Title

Pyridyl derivatives and their use as therapeutic agents

Preliminary Class

514

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at http://www.uspto.gov/web/offices/pac/doc/general/index.html.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, http://www.stopfakes.gov. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

Title 35, United States Code, Section 184 Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

Applicant Authority Type:: Inventor

Primary Citizenship Country:: US

Status:: Full Capacity

Given Name:: Daniel

Middle Name:: F.

Family Name:: Harvey

City of Residence:: San Diego

State or Province of Residence:: CA
Country of Residence:: US

Street of mailing address:: 6254 Lakewood Street

City of mailing address:: San Diego

State or Province of mailing address:: CA

Postal or Zip Code of mailing address:: 92122

Applicant Authority Type:: Inventor

Primary Citizenship Country:: US

Status:: Full Capacity

Given Name:: Heinz

Middle Name:: W.

Family Name:: Gschwend

City of Residence:: Santa Rosa

State or Province of Residence:: CA

Country of Residence:: US

Street of mailing address:: 161 Meadowcroft Way

City of mailing address:: Santa Rosa

State or Province of mailing address:: CA

Postal or Zip Code of mailing address:: 95403

Applicant Authority Type:: Inventor

Primary Citizenship Country:: US

Status:: Full Capacity

Given Name:: Wenbao

(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 10 February 2005 (10.02.2005)

PCT

(10) International Publication Number WO 2005/011656 A2

(51) International Patent Classification⁷: A61K 31/00

(21) International Application Number:

PCT/US2004/024657

(22) International Filing Date: 29 July 2004 (29.07.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/491,116 30 July 2003 (30.07.2003) US 60/491,118 30 July 2003 (30.07.2003) US 60/491,340 30 July 2003 (30.07.2003) US

(71) Applicant (for all designated States except US): XENON PHARMACEUTICALS INC. [CA/CA]; 3650 Gilmore Way, Burnaby, British Columbia V5G 4W8 (CA).

(72) Inventors; and

(75) Inventors/Applicants (for US only): ABREO, Melwyn [US/US]; 3373 Armagosa Way, Jamul, California 91932 (US). HARVEY, Daniel, F. [US/US]; 6254 Lakewood Street, San Diego, California 92122 (US). GSCHWEND, Heinz W. [US/US]; 161 Meadowcroft Way, Santa Rosa, California 95403 (US). LI, Wenbao [CN/US]; 11674 Castile Way, San Diego, California 92128 (US). TU, Chi [US/US]; 5269 Quaker Hill Lane, San Diego, California 92130 (US). KAMBOJ, Rajender [CA/CA]; 5809 Sperling Avenue, Burnaby, British Columbia V5E 2T6 (CA). WINTHER, Michael D. [CA/CA]; 1935 West 4th Avenue, Vancouver, British Columbia V6J 2K1 (CA). KO-DUMURU, Vishnumurthy [CA/CA]; 211-6577 Royal Oak Avenue, Burnaby, British Columbia V5H 3P3 (CA). HUDSON, Cindy, J., [US/US]; 8031 San Leandro Cir., Buena Park, California 90620 (US). KONDRATENKO, Mikhail, A., [RU/US]; 12820 Via Nieve #73, San Diego, California 92130 (US). LIU, Shifeng [CA/CA]: 15-2615 Fortress Drive, Port Coquitlam, British Columbia V3C

6E8 (CA). RAINA, Vandna [IN/CA]; PH3, 2763 Chandlery Place, Vancouver, British Columbia V5S 4V4 (CA). SVIRIDOV, Serguei [CA/CA]; 1904-5885 Olive Avenue, Burnaby, British Columbia V5H 4N8 (CA). ZHANG, Zaihui [CA/CA]; 4038 MacDonald Street, Vancouver, British Columbia V6L 2N9 (CA). SEID BAGHERZADEH, Mehran [CA/CA]; 10-901 West 17th Street, North Vancouver, British Columbia V7P 1V8 (CA). SUN, Shaoyi [CA/CA]; #407-1029 East Broadway, Vancouver, British Columbia V5T 1Y8 (CA).

- (74) Agents: ROTH, Carol, J. et al.; Seed Intellectual Property Law Group PLLC, Suite 6300, 701 Fifth Avenue, Seattle, Washington 98104-7092 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

of inventorship (Rule 4.17(iv)) for US only

Published:

 without international search report and to be republished upon receipt of that report

[Continued on next page]

(54) Title: PYRIDYL DERIVATIVES AND THEIR USE AS THERAPEUTIC AGENTS

$$R^{2} - W - R^{5} + R^{10a} + R^{10} + R^{7a} + R^{7a} + R^{7a} + R^{6a} + R^{6a}$$

(57) Abstract: Methods of treating an SCD-mediated disease or condition in a mammal, preferably a human, are disclosed, wherein the methods comprise administering to a mammal in need thereof a compound of formula (I): wherein: W is -O-, -N(R1)-, C(O), S(O)t; (where t is 0, 1 or 2), N(R1)S(O)2, S(O)2N(R1), C(O)N(R1) or N(R1)C(O)N(R1); and V is C(O), C(S), C(O)N(R1)-, C(O)O-, S(O)2-, S(O)2N(R1)- or C(R11)H; and x, y, R1, R2, R3, R4, R5, R6, R7, R7a, R8, R8a, R9, R9a, R10 and R10a are defined herein. Pharmaceutical compositions comprising the compounds of formula (I) are also disclosed.

VIII- 4-1-2-1	Name (LAST, First)	HARVEY, Daniel F.
VIIL	Residence:	San Diego, California
4-1-2-2	(city and either US State, if applicable, or country),	
VIII- 4-1-2-3	Mailing address:	6254 Lakewood Street San Diego, CA 92122 United States of America San Diego California United States of America
VIII- 4-1-2-4	Citizenship:	us A A A A A A A A A A A A A A A A A A A
VIII- 4-1-2-5	Inventor's Signature: (If not contained in the request, or if decisation is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)	14 Sept 2004
VIII- 4-1-2-0	Date (of signature which is not contained in the request, or of the declaration that is corrected or added under Fule 26ter after the filing of the International application)	
VIII- 4-1-3-1	Name (LAST, First)	GSCHWEND, Heinz W.
VIII- 4-1-3-2	Residence: (city and either US State, if applicable, or country)	Santa Rosa, California
VIII- 4-1-3-3	Mailing address:	161 Meadowcroft Way Santa Rosa, CA 95403 United States of America Santa Rosa California United States of America
VIII- 4-1-3-4	Citizonetulpo	បន
4-1-3-5	Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)	ling W. Greens.
	Data (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26tar after the filing of the international application)	Oct. 05, 2004